

IRW

Practitioner's Docket No. HES 2002-IP-008094U2

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application

of _____
Inventor(s)

for _____
Title of invention

OR

In re application of: Krishna M. Ravi et al.

Application No.: 0 10 / 721,055

Group Art Unit: 3672

Filed: November 24, 2003

Examiner: unknown

For: Variable Density Fluids and Methods of Use In Subterranean Formations

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))**

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

*(When using Express Mail, the Express Mail label number is mandatory;
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I hereby certify that, on the date shown below, this correspondence is being:

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Signature

Date: 3-1-05

Sheila Gibbs

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* Only the date of filing (§ 1.8) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.8(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action [8-3]—page 1 of 3)

NOTE: 37 C.F.R. 1.98(b):

(1) Each U.S. patent listed in an information disclosure statement must be identified by inventor, patent number, and issue date.

(2) Each U.S. patent application publication listed in an information disclosure statement shall be identified by applicant, patent application publication number, and publication date.

(3) Each U.S. application listed in an information disclosure statement must be identified by the inventor, application number, and filing date.

(4) Each foreign patent or published foreign patent application listed in an information disclosure statement must be identified by the country or patent office which issued the patent or published the application, an appropriate document number, and the publication date indicated on the patent or published application.

(5) Each publication listed in an information disclosure statement must be identified by publisher, author (if any), title, relevant pages of the publication, date, and place of publication.

WARNING: No extension of time can be had under 37 C.F.R. § 1.136 (a) or (b) for filing an IDS. 37 C.F.R. § 1.97(f).

NOTE: The "filing date of a national application" under 37 C.F.R. § 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark Office, the filing is defined in 37 C.F.R. § 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least one claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the actual inventor or inventors as required by § 1.41." 37 C.F.R. § 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the basic national fee; (2) a copy of the international application, unless already sent by the International Bureau, and optionally an English translation if filed in another language; and, also optionally (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the international preliminary examination report, if such annexes were made in another language. The optional items must be submitted later, with surcharges. 37 C.F.R. § 1.97(b)(2).

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. § 1.97(b).

NOTE: "No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing."

NOTE: "An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 C.F.R. 1.8, or Express Mail certificate under 37 C.F.R. 1.10. An Office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39). See also § 609, M.P.E.P., 8th Edition.

NOTE: "The term 'national application' includes continuing applications (continuations, divisions, continuations-in-part) so three-months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

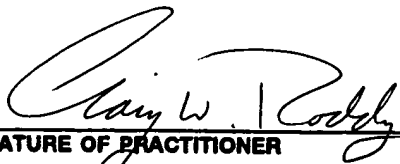
NOTE: "An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirements (37 C.F.R. 1.142) or just a requirement for additional fees to have a claim considered (37 C.F.R. 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosure statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

WARNING: "A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 C.F.R. § 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner." Notice of July 6, 1992 (1141 O.G. 63). But see § 103(b) and (c), limited suspension of action in a continued prosecution application (CPA) filed under § 1.53(d) and in a request for continued examination (RCE) under § 1.114.

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SIGNATURE OF PRACTITIONER

Craig W. Roddy
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(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action [6-3]—page 3 of 3)



PATENT
HES 2002-IP-008094U2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Krishna M. Ravi;)	
	Donald L. Whitfill and)	
	B. Raghava Reddy)	Art Unit: 3672
)	
Serial No.:	10/721,055)	
)	
Filed:	November 24, 2003)	Examiner: Unknown
)	
For:	VARIABLE DENSITY FLUIDS AND)	
	METHODS OF USE IN)	
	SUBTERRANEAN FORMATIONS)	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

U.S. Patent No. 4,362,566 issued December 7, 1982 to Rudolf Hinterwaldner.

U.S. Patent No. 4,370,166 issued January 25, 1983 to Charles A. Powers et al.

U.S. Patent No. 5,456,751 issued October 10, 1995 to Iraj Zandi et al.

U.S. Patent No. 5,779,787 issued July 14, 1998 to Lance E. Brothers et al.

U.S. Patent No. 5,839,520 issued November 24, 1998 to Bonnie B. Maillet.

U.S. Patent No. 5,959,762 issued September 28, 1999 to Steven P. Bandettini et al.

U.S. Patent No. 6,143,069 issued November 7, 2000 to Lance E. Brothers et al.

U.S. Patent No. 6,197,418 B1 issued March 6, 2001 to Tom Cloots et al.

U.S. Patent No. 6,516,883 B1 issued February 11, 2003 to Jiten Chatterji et al.

U.S. Patent No. 6,554,071 B1 issued April 29, 2003 to Baireddy R. Reddy et al.

U.S. Patent No. 6,527,051 B1 issued March 4, 2003 to Baireddy R. Reddy et al.

U.S. Patent No. 6,626,991 B1 issued September 30, 2003 to Bruno Drochon et al.

U.S. Patent No. 6,656,265 B1 issued December 2, 2003 to Andre Garnier et al.

U.S. Patent No. 6,723,800 B2 issued April 20, 2004 to Fredrich Srienc et al.

U.S. Patent No. 6,742,592 B1 issued June 1, 2004 to Sylvaine Le Roy-Delage et al.

UNITED STATES PATENT APPLICATION PUBLICATIONS

U.S. Patent Application Publication No. US 2002/0040079 A1 published April 4, 2002 to Kin-Man Amazon Lee et al.

U.S. Patent Application Publication No. US 2004/0007360 A1 published January 15, 2004 to Sylvaine Leroy-Delage et al.

U.S. Patent Application Publication No. US 2004/0163812 A1 published August 26, 2004 to Lance E. Brothers.

U.S. Patent Application Publication No. US 2004/0211562 A1 published October 28, 2004 to Lance E. Brothers et al.

U.S. Patent Application Publication No. US 2004/0211564 A1 published October 28, 2004 to Lance E. Brothers et al.

U.S. Patent Application Publication No. US 2004/0244978 A1 published December 9, 2004 to Mano Shaarpour.

U.S. Patent Application Publication No. US 2004/0251026 A1 published December 16, 2004 to Bernard Dargaud et al.

FOREIGN PATENTS

European Patent Application No. EP 1 348 831 A1 published October 1, 2003.

United Kingdom Patent Application No. GB 2 354 236 A published March 21, 2003.

France Patent No. 2 787 441 published June 23, 2000.

PCT Patent Application No. WO 00/20350 published April 13, 2000.

German Patent No. 32 09 488 A1 published September 23, 1982.

Russian Abstract No. RU 2178320 dated April 2, 2001.

Japan Abstract No. JP 01109551 dated October 23, 1987.

Japan Abstract No. JP 56041859 dated September 7, 1979.

Japan Abstract No. JP 49019687 dated August 14, 1970.

German Abstract No. DE 958698 dated February 21, 1957.

Japan Abstract No. 05301786 dated November 16, 1993.

Japan Abstract No. JP 09116158 dated May 2, 1997.

OTHER MATERIAL

Paper entitled "Hawley's Condensed Chemical Dictionary" pages 922 and 941.

Paper entitled "Hydration and strength of neat Portland cement" by D. Chandra et al., dated May 12, 1984.

Paper entitled "Small bore hollow waveguides for delivery of 3- μ m laser radiation" by R. Kozodoy et al., dated August 14, 1996.

Paper entitled "Energy of dissociation of lipid bilayer from the membrane skelton of red blood cells" by W. Hwang et al., dated August 5, 1997.

Paper entitled “High-peak-power, pulsed CO2 laser light delivery by hollow glass waveguides” by J. Dai et al., dated October 7, 1997.

Paper entitled “A quantitative analysis of single protein-ligan complex separation with the atomic force microscope” by B. Shapiro et al., dated January 27, 1998.

Paper entitled “Force measurements for the movement of a water drop on a surface with a surface tension gradient” by H. Suda et al., dated March 13, 2003.

Paper entitled “Ultrathin glass for flexible OLED application” by M. Auch et al., dated January 16, 2003.

Paper entitled “Ultrathin flexible glass substrates” by A. Plichta et al., dated March 4, 2004.

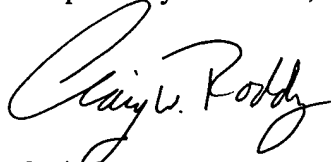
Patent application entitled “Cement Compositions Containing Flexible, Compressible Beads and Methods of Cementing In Subterranean Formations”, by B. Raghava Reddy et al., Serial No. 10/350,533, filed on January 24, 2003.

Patent application entitled “Cement Compositions With Improved Mechanical Properties and Methods of Cementing In Subterranean Formation” by Krishna M. Ravi et al., serial no. 10/745,470, filed on December 22, 2003.

Patent application entitled “Cement Compositions Containing Flexible, Compressible Beads and Methods of Cementing In Subterranean Formations” by B. Raghava Reddy et al., serial number 10/982,028, filed November 5, 2004.

Copies of the non-patent references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Craig W. Roddy". The signature is fluid and cursive, with a large initial "C" and "R".

Craig W. Roddy
Registration No. 36,256
Halliburton Energy Services
P. O. Box 1431
Duncan, OK 73536-0440
580-251-3012

FORM PTO-1449 (Modified)

MAR 03 2005

ATTY. DOCKET NO.
2002-IP-008094U2SERIAL NO.
10/721,055LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENTAPPLICANT
Krishna M. Ravi et al.

(Use several sheets if necessary)

FILING DATE
November 24, 2003GROUP
3672

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	4,362,566	12/07/82	Hinterwaldner	106	85	
	AB	4,370,166	01/25/83	Powers et al.	106	97	
	AC	5,456,721	10/10/95	Zandi et al.	106	724	
	AD	5,779,787	07/14/98	Brothers et al.	106	802	
	AE	5,839,520	11/24/98	Maillet	175	61	
	AF	5,959,762	09/28/99	Bandettini et al.	359	265	
	AG	6,143,069	11/07/00	Brothers et al.	106	678	
	AH	6,197,418 B1	03/06/01	Cloots et al.	428	332	
	AI	6,516,883 B1	02/11/03	Chatterji et al.	166	293	
	AJ	6,554,071 B1	04/29/03	Reddy et al.	166	293	
	AK	6,527,051 B1	03/04/03	Reddy et al.	166	300	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	EP 1 348 831	10/01/03	Europe	E21B	33/13	X	
	AM	GB 2 354 236	03/21/01	United Kingdom	C04B	24/24	X	
	AN	2 787 441	06/23/00	France	C04B	20/00		X
	AO	WO00/20350	04/13/00	PCT	C04B	18/22	X	
	AP	32 09 488	09/23/82	Germany	C04B	31/02		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Paper entitled "Hawley's Condensed Chemical Dictionary" pages 922 and 941.
	AS	Paper entitled "Hydration and strength of neat Portland cement" by D. Chandra et al., dated May 12, 1984.
	AT	Paper entitled "Small bore hollow waveguides for delivery of 3- .mu.m laser radiation" by R. Kozodoy et al., dated August 14, 1996.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 2002-IP-008094U2	SERIAL NO. 10/721,055
	APPLICANT Krishna M. Ravi et al.	
	FILING DATE November 24, 2003	GROUP 3672

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	6,626,991 B1	09/30/03	Drochon et al.	106	672	
	AB	6,656,265 B1	12/02/03	Garnier et al.	106	713	
	AC	6,723,800 B2	04/20/04	Srienc et al.	524	450	
	AD	6,742,592 B1	06/01/04	Le Roy-Delage et al.	166	293	
	AE	US 2002/0040079	04/04/02	Lee et al.	524	8	
	AF	US 2004/0007360	01/15/04	Leroy-Delage et al.	166	293	
	AG	US 2004/0163812	08/26/04	Brothers	166	293	
	AH	US 2004/0211562	10/28/04	Brothers et al.	166	281	
	AI	US 2004/0211564	10/28/04	Brothers et al.	166	293	
	AJ	US 2004/0244978	12/09/04	Shaarpour	166	293	
	AK	US 2004/0251026	12/16/04	Dargaud et al.	166	292	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	RU 2178320	01/20/02	Russia			X (abstract only)	
	AM	JP 01109551	04/26/89	Japan			X (abstract only)	
	AN	JP 56041859	04/18/81	Japan			X (abstract only)	
	AO	JP 49019687	05/20/74	Japan			X (Abstract only)	
	AP	DE 958698	02/21/57	Germany			X (abstract only)	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Paper entitled "Energy of dissociation of lipid bilayer from the membrane skelton of red blood cells" by W. Hwang et al., dated August 5, 1997.
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	AG						
	AH						
	AI						
	AJ						
	AK						

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		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	JP 05301786	04/27/92	Japan			X	(abstract only)
	AM	JP 09116158	05/02/97	Japan			X	(abstract only)
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	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		Paper entitled "Force measurements for the movement of a water drop on a surface with a surface tension gradient" by H. Suda et al., dated March 13, 2003.					
	AS		Paper entitled "Ultrathin glass for flexible OLED application" by M. Auch et al., dated January 16, 2003.					
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	AJ						
	AK						

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